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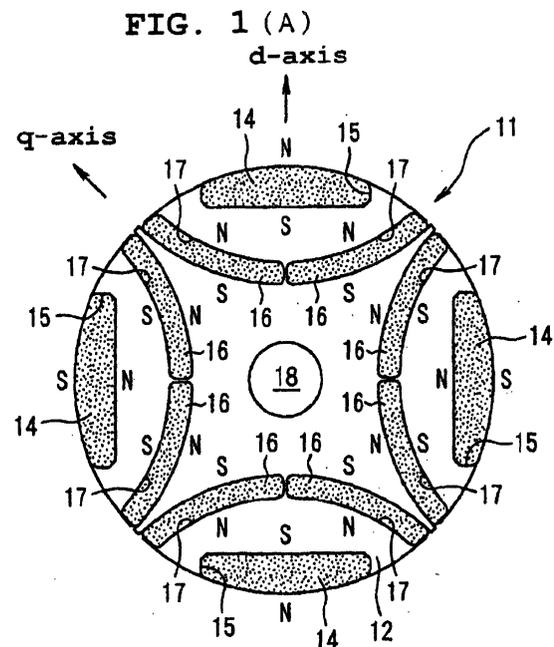
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(54) **Rotor for permanent magnet motor**

(57) To provide a rotor for a motor capable of effecting improved torque variation due to improvement in the induced voltage waveform and of effecting improved magnet torque in a permanent magnet type synchronous motor utilizing reluctance torque.

A rotor 11 comprises of a core 12 made of a ferro-magnetic material, a given member of permanent magnets 14 are mounted in the outer surface of the core 12 circumferentially at equal intervals, and arrangement of the permanent magnets 14 is such that polarities N, S of the permanent magnets on the sides facing a stator are disposed alternately. Also, in the core 12 between the center axis of the core and the permanent magnets 14 are embedded arc-shaped permanent magnets 16 corresponding to the permanent magnets 14, respectively, and arrangement of the permanent magnets 16 is the same as that of the corresponding permanent magnets 14.





European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 01 6836

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The present search report has been drawn up for all claims					
Place of search		Date of completion of the search	Examiner		
The Hague		13 July 2004	Le Chenadec, H		
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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